October 2, 2002

Mr. Christopher Pupek
Exelon Nuclear
200 Exelon Way, KSA 2-N
Kenneth Square, PA 19348

Dear Mr. Pupek :

Enclosed is a compact disk containing the Level 1, Revision 3i Standardized Plant Analysis
Risk (SPAR) model for Oyster Creek and the SAPHIRE 6.75 suite of probabilistic risk
assessment (PRA) computer codes. Also enclosed is a copy of the user's manual for the
Oyster Creek SPAR model. The SAPHIRE code suite is required to perform analyses with the
Revision 3i SPAR model. Both of these software packages are in the form of executable files
that can be run directly from the compact disk. These items are for your organization's use only
and are not to be distributed further without the consent of the NRC. Also please note that the
information contained in the SPAR model is considered <u>sensitive</u> and should be treated
accordingly.

These software packages are provided to facilitate your participation in our onsite QA review of
the SPAR model for Oyster Creek, currently scheduled for October 2002. At that time, the
Revision 3i ("i" denotes "interim") SPAR model for Oyster Creek will be reviewed with your PRA
staff and benchmarked against your PRA model for these units. Until this review and
benchmarking have been conducted and the SPAR model revised to reflect the results of the
review, the model is considered to be interim, and should be used by your staff analysts with
appropriate discretion.

Questions about the model should be directed to Mr. Robert Buell of the Idaho National
Engineering and Environmental Laboratory (INEEL) at (208) 526-9400 (rbuel@inel.gov) .
Questions about the SAPHIRE code suite should be directed to Mr. Ted Wood, INEEL, at (208)
526-8729 (stw@inel.gov). Comments and suggestions may also be directed to either of these
gentlemen or to Dr. Patrick O'Reilly, NRC project manager for SPAR model development, at
(301) 415-7570 (pdo@nrc.gov).

C. Pupek   2

If you are interested in receiving on-going technical support for SAPHIRE, you are invited to join the SAPHIRE Users' Group. Mr. John Schroeder, INEEL, at (208) 526-8755 (roe@inel.gov) can provide more details about the group and the services offered.

Due to the potential sensitivity of the information contained in the Enclosures, they are not publicly available.

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Sincerely,

Original Signed By

Scott F. Newberry, Director
Division of Risk Analysis and Applications
Office of Nuclear Regulatory Research

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Enclosures: As stated

cc: T. Colburn, NRR/LPDI-1

C. Pupek   2

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REMARKS

Letter to Mr. C. Pupek - Per your request, enclosed is a compact disk containing the Level 2, Revision 3i Standardized Plant Analysis Risk (SPAR) model for Oyster Creek and the SAPHIRE 6.74 suite of probabilistic risk assessment (PRA) computer codes. Also enclosed is a copy of the user's manual for the Oyster Creek SPAR model.

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